

1/1 WPAT

Title

Manufacture of isoparaffinic base stock for various lubricants, e.g. lubricating oils and greases, comprises hydroisomerizing waxy hydrocarbon feed, catalytic dewaxing, and removing the lower boiling hydrocarbons

Patent Data

Patent Family

WO200015736 A2 20000323 DW2000-23 C10G-065/00 Eng 27p * AP: 1999WO-US18948 19990824
AU9956808 A 20000403 DW2000-34 C10G-065/00 Eng FD: Based on WO200015736 A AP: 1999AU-0056808 19990824
BR9913583 A 20010522 DW2001-32 C10G-065/00 Por FD: Based on WO200015736 A AP: 1999BR-0013583 19990824,
1999WO-US18948 19990824
NO200101245 A 20010510 DW2001-34 C10G-000/00 Nor AP: 1999WO-US18948 19990824, 2001NO-0001245 20010312
EP1144551 A2 20011017 DW2001-69 C10G-065/00 Eng FD: Based on WO200015736 A AP: 1999EP-0943777 19990824,
1999WO-US18948 19990824
US6332974 B1 20011225 DW2002-06 C10G-071/00 Eng AP: 1998US-0151967 19980911
KR2001089249 A 20010929 DW2002-20 C10G-071/00 Kor AP: 2001KR-0703128 20010310
AU-750548 B 20020718 DW2002-58 Eng FD: Previous Publ AU9956808 A, Based on WO200015736 A AP:
1999AU-0056808 19990824
ZA200101684 A 20020828 DW2002-64 C10G-000/00 Eng 36p AP: 2001ZA-0001684 20010228
JP2002538232 W 20021112 DW2002-75 C10G-065/02 Jpn 26p FD: Based on WO200015736 A AP: 1999WO-US18948
19990824, 2000JP-0570264 19990824
TW-495548 A 20020721 DW2003-29 Chi AP: 1999TW-0115675 19991105
Priority n° 1998US-0151967 19980911
Covered countries 29
Publications count 11

Abstract

Basic Abstract

WO2000015736 A NOVELTY: An isoparaffinic base stock is made by hydroisomerizing a paraffinic, Fischer-Tropsch synthesized, waxy hydrocarbon feed which continuously boils to at least 1050degreesF to form a hydroisomerate, catalytically dewaxing the hydroisomerate to form a dewaxate, and removing the lower boiling hydrocarbons from the dewaxate. The initial boiling point of the feed, hydroisomerate and dewaxate 650-750degreesF.

DESCRIPTION: An INDEPENDENT CLAIM is also included for a formulated lubricant comprising a mixture of a wide-cut, isoparaffinic base stock and at least one additive, with the base stock obtained as above.

USE: Useful as base stock for various lubricants, e.g. lubricating oils and greases.

ADVANTAGE: The widecut lubricant base stock has a low pour point, high viscosity index, and wide boiling range.

Patentee, Inventor

Patent assignee (ESSO) EXXON RES & ENG CO (ESSO) EXXONMOBIL RES & ENG CO

Inventor(s) BERLOWITZ PJ; HABEEB JJ; RYAN DF; WITTENBRINK RJ

IPC

C10G-000/00; C10G-065/02; C10G-071/00; C10N-030/02; C10N-030/08; C10N-040/25; C10N-070/00; C10G-002/00; C10G-065/04; C10G-067/02; C10M-105/04; C10N-030/02; C10N-030/08; C10N-040/25; C10N-070/00; C10G-065/00; C10G-067/00; C10M-105/00

Accession Codes

Number 2000-271400 [23]

Sec. No. C2000-082892

Codes

Manual Codes CPI: H04-E H04-F02E H07-A H07-C

Derwent Classes H04 H07

Updates Codes

Basic update code 2000-23

Equiv. update code 2000-34; 2001-32; 2001-34; 2001-69; 2002-06; 2002-20; 2002-58; 2002-64; 2002-75; 2003-29

Others...

API Access. Nbr API P200009360

ICAA

C10G-065/02 [2006-01 A F I R - -]; C10G-002/00 [2006-01 A L I R - -]; C10G-065/04 [2006-01 A - I R - -]; C10G-067/02 [2006-01 A L I R - -]; C10M-105/04 [2006-01 A L I R - -]; C10N-030/02 [2006-01 A L N R - -]; C10N-030/08 [2006-01 A L N R - -]; C10N-040/25 [2006-01 A L N R - -]; C10N-070/00 [2006-01 A L N R - -]

ICCA

C10G-002/00 [2006 C L I R - -]; C10G-065/00 [2006 C - I R - -]; C10G-067/00 [2006 C L I R - -]; C10M-105/00 [2006

PCL

208018000 208027000 208086000 208087000 208122000 208121000 208950000 385734000 385739000

Designated states

WO200015736 National States: AU BR CA JP KR NO SG ZA Regional States: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

EP1144551 Regional States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE